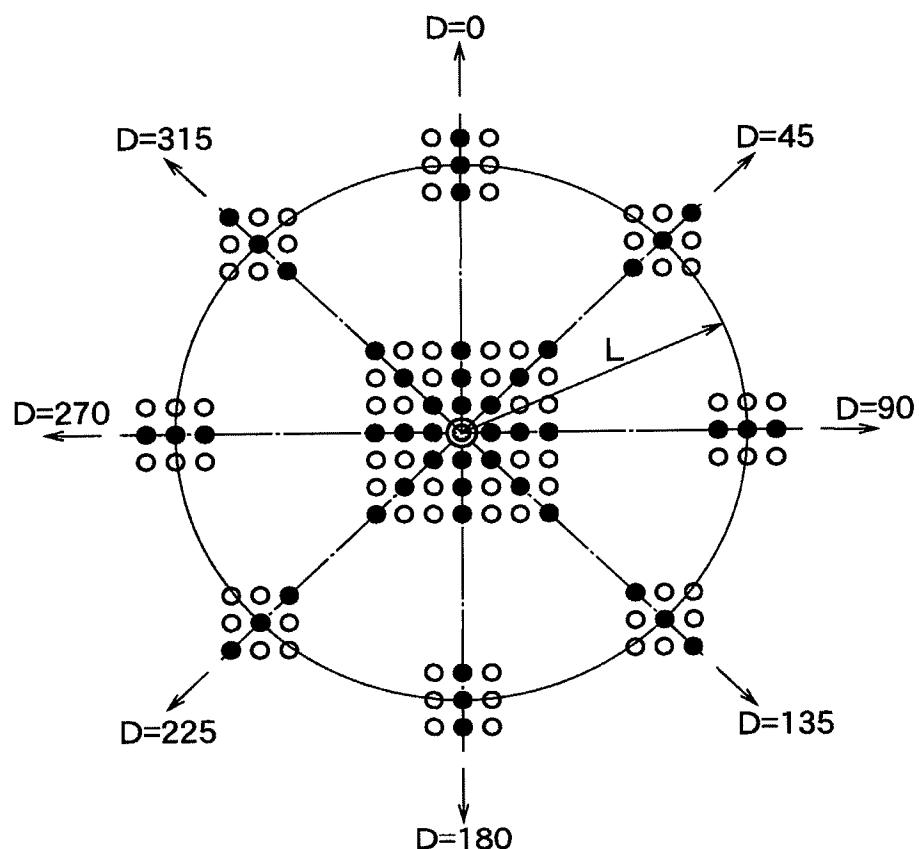


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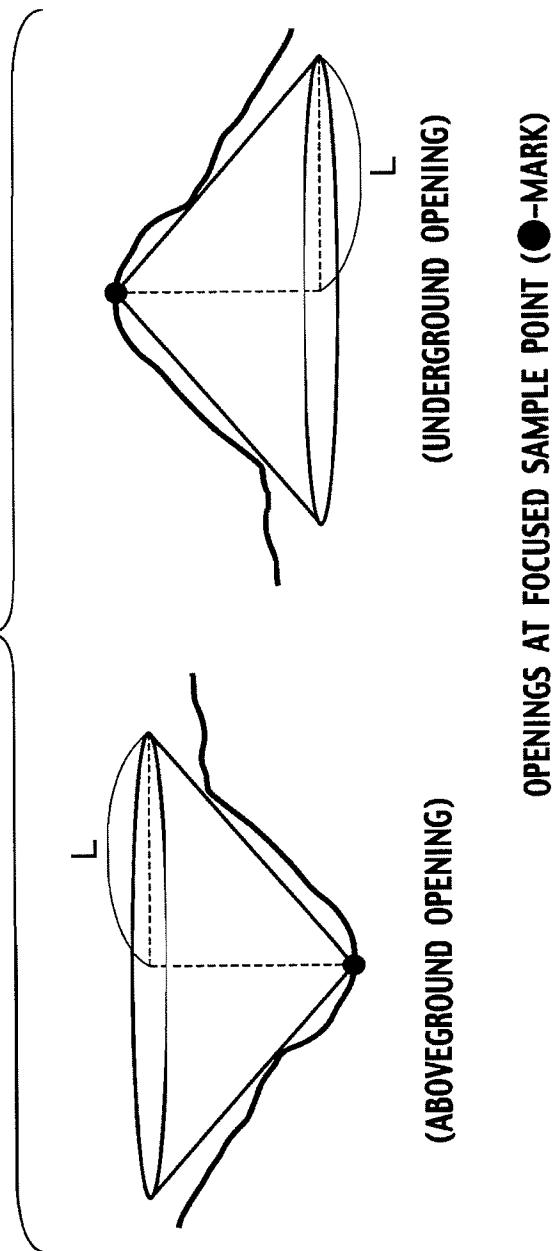
FIG.13



CONDITION OF ARRANGEMENT OF SAMPLE POINTS ABOUT FOCUSED  
SAMPLE POINT (◎-MARK) IN UTM-DEM  
●-MARKS DENOTE SAMPLE POINTS IN EIGHT AZIMUTHS, ○-MARKS  
DENOTE OTHER SAMPLE POINTS

Prior Art

FIG. 14



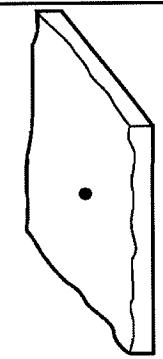
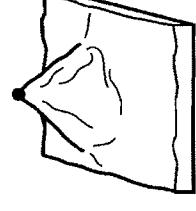
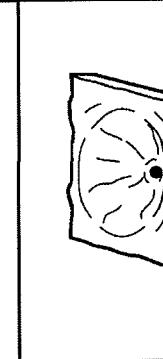
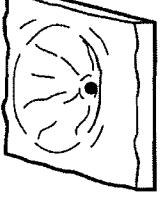
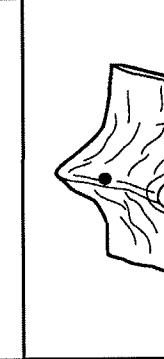
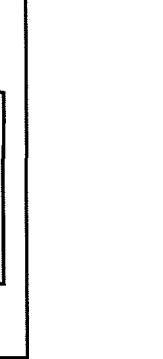
# FIG.15

: ABOVEGROUND OPENING AND UNDERGROUND OPENING OF FOCUSED  
SAMPLE POINT (●-MARK) IN BASIC GEOGRAPHICAL FEATURES

Prior Art

## Replacement Sheet

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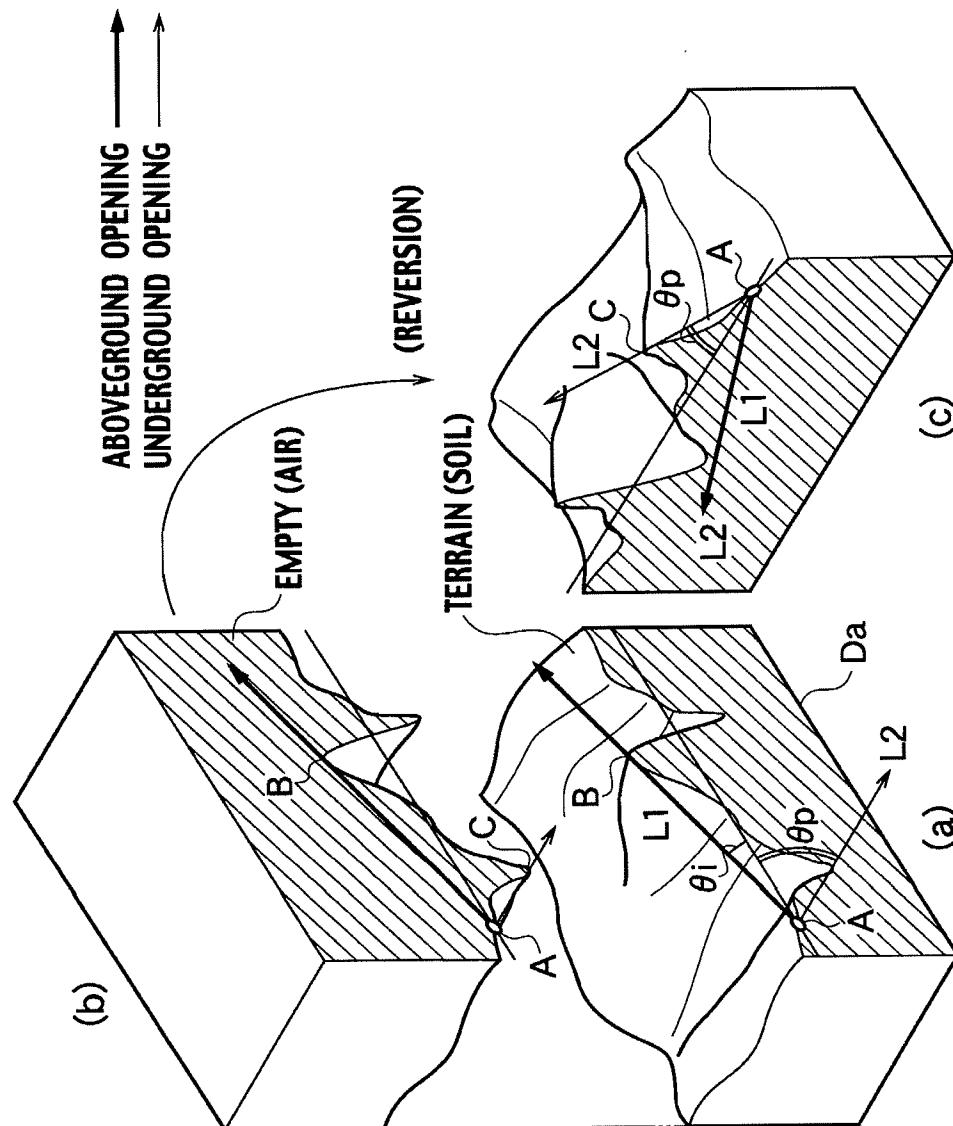
BASIC GEOGRAPHICAL FEATURES		ABOVEGROUND OPENING		UNDERGROUND OPENING	
		(MEDIUM)	(MEDIUM)	(MEDIUM)	(MEDIUM)
1	FLAT TERRAIN		D=315 D=45 D=0 D=90 D=135 D=180 D=225 D=270		D=0 D=45 D=90 D=135 D=180 D=225 D=270 D=315
2	SUMMIT		D=315 D=45 D=0 D=90 D=135 D=180 D=225 D=270		D=0 D=45 D=90 D=135 D=180 D=225 D=270 D=315
3	CONCAVE TERRAIN		D=315 D=45 D=0 D=90 D=135 D=180 D=225 D=270		D=0 D=45 D=90 D=135 D=180 D=225 D=270 D=315
4	RIDGE EXTENDING NORTH-TO-SOUTH		D=315 D=45 D=0 D=90 D=135 D=180 D=225 D=270		D=0 D=45 D=90 D=135 D=180 D=225 D=270 D=315

Replacement Sheet

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Prior Art

FIG. 16

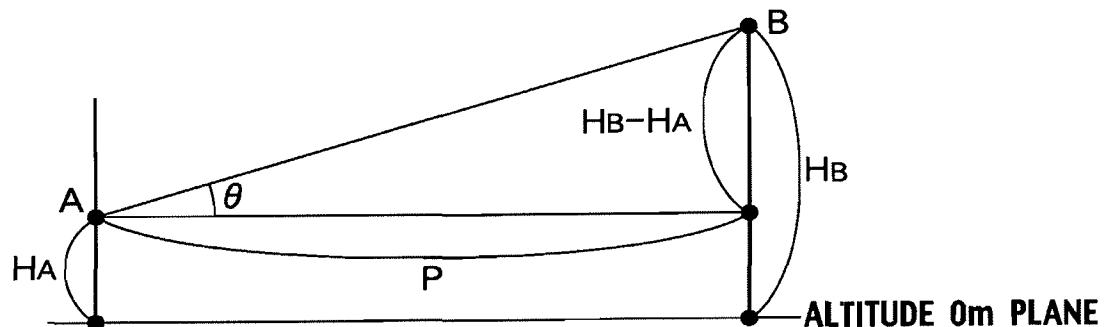


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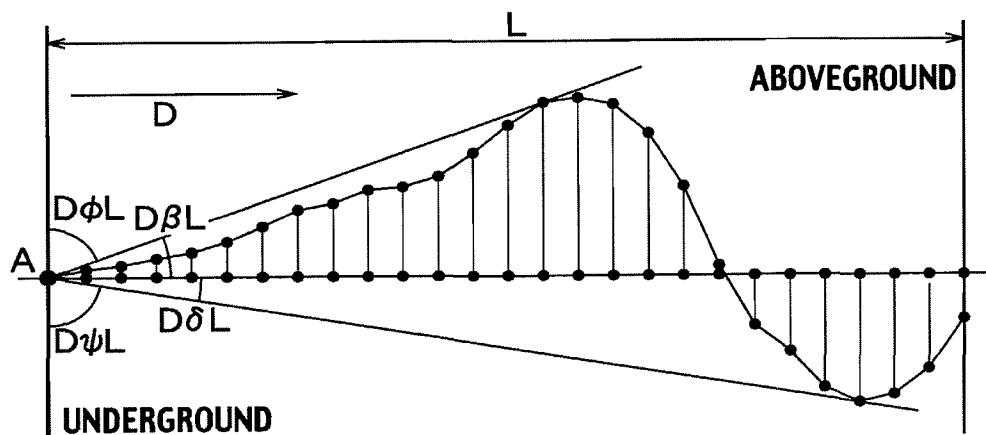
### FIG.17

(a)



: ELEVATION ANGLE  $\theta$  OF SAMPLE POINT A TO SAMPLE POINT B

(b)



: ABOVEGROUND ANGLE AND UNDERGROUND ANGLE OF D-L SET OF SAMPLE POINT A

Prior Art